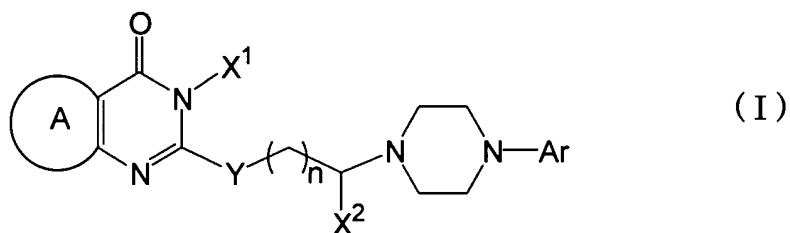


## ABSTRACT

This invention provides pyrimidine derivatives represented by a formula,

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in the formula,

ring A stands for carbocyclic group or heterocyclic group,

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X¹ stands for hydrogen, lower alkyl, amino, etc.,

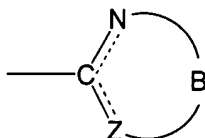
X² stands for hydrogen or lower alkyl,

Y stands for a direct bond or sulfur or nitrogen,

n stands for an integer of 0 – 4, and

Ar stands for a group of the following formula,

20



or a salt thereof, which concurrently exhibit 5-HT<sub>1A</sub> agonistic activity and 5-HT<sub>3</sub> antagonistic activity and are useful for therapy and treatments of diseases such as IBS.

The invention furthermore provides a therapeutic method of IBS, characterized by having 5-HT<sub>1A</sub> agonistic activity and 5-HT<sub>3</sub> antagonistic activity work simultaneously and cooperatively in vivo, which comprises either administering 5-HT<sub>3</sub> antagonistic agent which concurrently exhibits 5-HT<sub>1A</sub> agonistic activity, or administering 5-HT<sub>1A</sub> agonistic agent and 5-HT<sub>3</sub> antagonistic agent simultaneously, in sequence or at an interval.